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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/386,183 08/31/99 RO

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EXAMINER

BODDIO, V

ART UNIT

PAPER NUMBER

2615

DATE MAILED:

07/12/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/386,183

Applicant(s)

Ro

Examiner
Vincent F. Boccio

Art Unit
2615



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Apr 23, 2001
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5, 6, 10, 14-26, 28, 30-42, and 44-49 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5, 6, 10, 14-26, 28, 30-42, and 44-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirements.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☒ Certified copies of the priority documents have been received in Application No. 08/498,585.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892) 18) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) ☐ Notice of Informal Patent Application (PTO-152)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 20) ☐ Other: _____

DETAILED ACTION

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2615.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
A person shall be entitled to a patent unless --
(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.
2. Claims 1-3, 14-19, 21-26, 30, 33-38, 40-42 and 45-49 are rejected under 35 U.S.C. 102(e) as being anticipated by Kaloi et al. (5,511,000).

Regarding claims 1, 14-19, 21-25, 33-38, 40-41 and 45-47, Kaloi discloses a R/R apparatus/system and corresponding method for recording and reproducing at least one of audio and video signals comprising:

- o a data recording and reproduction unit including a storage unit for audio and/or video(Fig. 3, "15 C and/or 13 C", "audio 30 C" and "video 31 C", col. 7, lines 15-); and
- o a separable storage unit(33 c, "Solid State, RAM, DRAM, EEPROM, FLASH etc...) for storing data from the data recording unit and outputting stored data through the reproduction unit(Bus 19 C to interface 27 C to the PSD {Portable Storage Device 33 C}, col. 4, lines 18-23, col. 4, line 65 to col. 5, line 15, col. 7, line 15- to col. 8, line 67-, col. 11, lines 11-65);

- o a keyed input unit(10 C, etc.) for selecting a mode(abstract, "reading, writing, editing and archiving ..."), and a controller (12 C) for encoder and decoder an input signal(user input) according for selecting a mode according to a keyed input(col. 11, lines 11-49; col. 12, lines 35-53; col. 10, lines 29-37; col. 9, lines 9-14);

- o a data display(16 C) for displaying data searched according to the output of the controller(Fig. 14-4, "Display Memory Contents" & "READ & Display <start address> [<end address>]", "Abstract, Playback information, reading, writing and editing" & col. 6, lines 29-33; col. 11, lines 12-49), wherein the separable memory unit may be, "other than a disk or tape", as claimed in claim 14 etc..

Regarding claim 2, Kaloi further discloses and meets all the limitations as recited:

- o a data selector(Fig. 3, "10 C", etc.) for selecting a mode(met in view of recording or reproduction, reading, writing editing, archiving etc...);

- o a system control for generating clock and control signals(Fig. 10-1, "play/record" etc., also "Figs. 10-2 to 10-7", & col. 7, lines 41-, recording/reproduction control, editing functions etc.), according to output of the data selector(col. 17, "addresses Fig. 14-4", col. 2, SMPTE etc.);

o a data compressor(18 C, col. 7, lines 15 to col. 8, line 6) for converting an input analog signal to a digital and compressing;

o a data storage unit control for generating data storage unit control signals and addresses according to the control of the system control and wherein the data storage unit for storing compressed data(col. 4, line 45 to col. 5, line 15; col. 6, lines 10-21); and

o an interface(27 C) for performing data input/output operations between the data storage unit and the separable storage unit(internal memory "15 C and/or 13 C" and "external memory 33 C etc.") according to the control of the system controller.

Regarding claims 3, 26, 30 and 42, video D/A for video(col. 7, lines 10-35, D/A conversion to analog signals, thru a port/interface, which seems to be 22 C) and a display(col. 7, line 34, "audio/video monitors").

Regarding claim 48-49, Kaloi further meets the limitation associated with the method and apparatus for reproducing, wherein the data storage unit(15 C etc.) is included in a recording unit (Fig. 3, "SSRPD").

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 6, 10, 20, 28, 39 and 44 are rejected under 35

U.S.C. 103(a) as being unpatentable over Kaloi et al.

(5,511,000) in view of Young et al.(US 5,479,266).

Regarding claims 6, 20, 28, 39 and 44, Kaloi as analyzed and discussed above meets all the limitations as claimed and further provide means for selectively reproducing information from the media using direct addresses associated with the memory and further can provide a display of memory contents(interpreted, as some sort of HEX address locations of the memory to be entered directly, data, no data), using identified start and end addresses associated with the Display Memory Contents(Fig. 14-4) and further suggests additional filing capabilities and additional functionality through-out the disclosure(col. 6, lines 22-31), but, the claims recite reading and displaying, "a content table" (or Table of Content or "TOC") for the data stored(audio and/or video) in the storage unit when the keyed input is determined, as a search signal, which Kaloi fails to particularly and clearly disclose this limitation or feature.

Young et al. teaches providing a TOC associated with a recording media, wherein the TOC is generated on command(col. 8, line 22 to col. 9, line 43), wherein the content table is searched for upon request and provided to the user, wherein the TOC provides convenience to a user by, "eliminating the user from muddling through stretches of recordings trying to find what on the media", "prior art, with no TOC", therefore, providing a means to locate and playback recorded segments using the TOC provided, as taught by Young.

Therefore, it would have been obvious to one skilled in the art at the time of the invention to modify Kaloi by incorporating a table of contents to locate and selectively reproduce recorded material, as taught by Young.

Regarding claim 10, Kaloi, discloses meets the limitation of accessing the stored data in the separable storage unit, decoding (decompression) and D/A converting(33 C, as discussed above).

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kaloi et al. (5,511,000) in view of Stockum et al.(5,301,240).

Claims 5 are analyzed and discussed with respect to the claims above, but claim 5 recited additional elements such as: wherein the separable storage unit includes:

o an array(33 C) and interface(27 C) for the removable memory card which is met by Kaloi, "solid state RAM/DRAM, EEPROM etc.", but, Kaloi, fails to disclose wherein the separable storage unit includes: an address generator and controller for generating addresses for specifying regions of the memory array.

Stockum, teaches the utilization of a memory card in Fig. 9, which includes an address generator(904), an interface(900) for the memory array(902) and a controller(CPU 910), used for video capture, the card is either a separate circuit board or card, which plugs into a backplane of a card cage 221(col. 5, lines 9-60), which the interface associated with the memory card (Fig. 1, "RS 232, 9600 Bps") for connecting to an external computer system 131, which allows for transferring and displaying received/captured images from the card to the computer, as taught by Stockum.

Therefore, it would have been obvious to one skilled in the art at the time of the invention to modify Kaloi by incorporating a memory card, including an address generator, controller, interface which allows for interfacing with a computer, as taught by Stockum.

Response to Arguments

6. Applicant's arguments filed 4/23/01 have been fully considered but they are not persuasive.

Contact Fax Information

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communication intended for entry)

or:

(703) 308-5359, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).


Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent F. Boccio whose telephone number is (703) 306-3022.

If any attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Wendy Garber, can be reached at (703) 305-4929.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

V.F.B.
July 10, 2001


VINCENT F. BOCCIO
PATENT EXAMINER